

**Abstract**

Methods are disclosed for treatment of patients suffering from accumulation of a metabolite within  
5 macrophages, such as in lysosomal storage diseases. The methods comprise treating the patient  
with a macrophage depleting amount of a bisphosphonate compound, such that apoptosis of  
macrophages is induced and the metabolite is released into circulation so that the metabolites may  
be eliminated from the patient. The methods may further include administration of a gene therapy  
vector for the treatment of lysosomal storage diseases.